VOL.I NO.1 $2.25 U.S. $2.75 CANADIAN

basic TIMEX sinclair computers

# COMPUTER NEWSLETTER

DEAR READERS,

OUR STAFF WOULD LIKE TO THANK YOU FOR THE NICE LETTERS THAT HAVE BEEN RECEIVED WITH YOUR SUBSCRIPTION CARDS.

EACH MONTH WE HOPE TO SUPPLY A LARGE ASSORTMENT OF USEFULL PROGRAMS AND INFORMATION.

TOGETHER, WE WISH TO SHARE A WONDERFUL WORLD OF COMPUTER KNOWLEDGE FOR ALL TO ENJOY.

YOURS TRULY,

JACQUELINE LE BELL
CUSTOMER RELATIONS

NOTE: THE ABOVE MESSAGE HAS BEEN WRITTEN,PRINTED AND SAVED WITH THE HELP OF A SHORT TYPSET PROGRAM THAT YOU, ARE CERTAIN, TO ENJOY. OF COURSE, IT HAS BEEN INCLUDED IN THIS ISSUE FOR YOUR USE. COME BACK TO US WITH A BETTER ONE AND WE WILL GLADLY PRINT IT FOR YOU.

BELOW IS A COPY OF WHAT IS SEEN

ON THE SCREEN WHEN ENTERRED.

DEAR READERS,

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EACH MONTH WE HOPE TO SUPPLY A LARGE ASSORTMENT OF USEFULL PROGRAMS AND INFORMATION.

TOGETHER, WE WISH TO SHARE A WONDERFUL WORLD OF COMPUTER KNOWLEDGE FOR ALL TO ENJOY.

YOURS TRULY,

JACQUELINE LE BELL
CUSTOMER RELATIONS

ENTER: 1 TO LPRINT, 2 TO SAVE
3 TO LOAD, 9 TO START AGAIN.

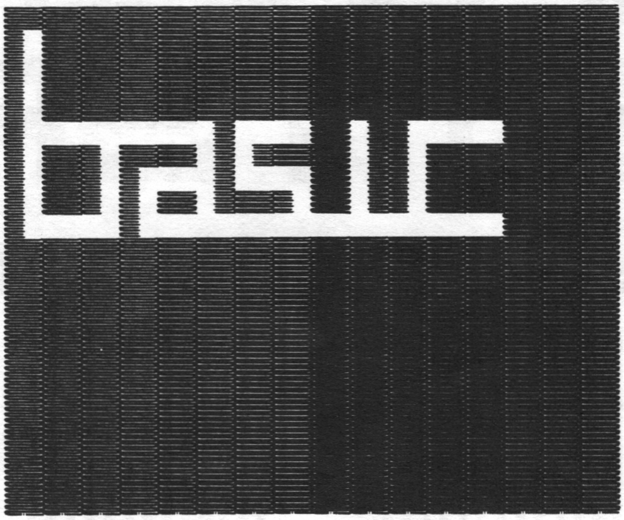
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## THIS ISSUES SUMMERY OF PROGRAMS


1. FEATURE OF THE MONTH
   FLASHING BOX ALLOWS YOU TO DRAW, PLAY GAMES OR CREATE LETTER TYPE
2. INDEPENDENT CONTRACTSOR FORM
   PROTECT YOURSELF FROM I.R.S.
3. SALES TAX WORK SHEET
   SAVE ACCOUNTING FEES
4. MAILING LABELS - PLUS
   CASSETTE OFFER
5. ** FIVE * STARS **
   LOANS AND COMPOUND INTEREST
6. LOANS AND COMPOUND INTEREST
7. LOANS AND COMPOUND INTEREST
8. CALCULATING INVESTMENT
   TYPESET PRINTOUT RE COVER PG
9. TP-10 ADAPTOR KIT
10. ***** BULLETIN BOARD *****


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# FEATURE OF THE MONTH



```
  1 SLOW
  2 PRINT "  T/S ETCH BY H.W. JOHNSON III  "
  3 PRINT "THIS PROGRAM LETS YOU"
  4 PRINT "DRAW USING THE UNSHIFTED ARROW"
  5 PRINT "KEYS TO MOVE THE FLASHING BOX"
  6 PRINT "▌▌ENTER LINE NO.(0 TO 21) ▌▌"
  7 INPUT A
  8 PRINT "▌▌ENTER COLUMN NO.(0 TO 31) ▌▌      "
  9 INPUT B
 10 PRINT "REMEMBER PRESS(C) TO START OVER"
 11 PRINT "▞▞ PRESS ENTER TO RUN ▞▞"
 12 INPUT Z$
 13 CLS
 20 FOR N=0 TO 21
 21 PRINT "                                "
 22 REM (32 INVERSE SPACES)
 23 NEXT N
 99 GOTO 500
500 LET X=A
510 LET Y=B
520 LET A$=CHR$ 136
530 IF INKEY$="5" THEN LET Y=Y-1
540 IF INKEY$="6" THEN LET X=X+1
550 IF INKEY$="7" THEN LET X=X-1
560 IF INKEY$="8" THEN LET Y=Y+1
561 IF X<=0 THEN LET X=1
562 IF X>=21 THEN LET X=20
563 IF Y<=0 THEN LET Y=1
564 IF Y>=31 THEN LET Y=30
570 PRINT AT X,Y;A$
580 PRINT AT X,Y;CHR$ 0
591 IF INKEY$="C" THEN GOTO 12
600 GOTO 530
```

FEATURE OF THE MONTH
FEATURE OF THE MONTH
FEATURE OF THE MONTH
FEATURE OF THE MONTH
FEATURE OF THE MONTH

THIS PROGRAM WAS SUBMITTED BY HARRY W. JOHNSON III, HOLBROOK, PA.

THANK YOU HARRY - NOT ONLY IS THIS SHORT PROGRAM THAT YOU WROTE, VERY USEFUL, I MYSELF HAVE NOT HAD SO MUCH FUN IN YEARS.

ONE CAN EASILY BECOME OBSESSED WITH IT CREATING GAMES, MAKING DESIGNS AND STRUCTURING LETTER TYPE.

IT IS JUST GREAT. HOPE YOU CAN SEND US MORE.

R.W.D.

A FREE SUBSCRIPTION GOES TO YOU HARRY W. JOHNSON III.

FEATURE OF THE MONTH
FEATURE OF THE MONTH
FEATURE OF THE MONTH
FEATURE OF THE MONTH
FEATURE OF THE MONTH

<u>SHARE YUUR PROGRAMS WITH</u>

<u>OUR READERS</u>

<u>SEND ALL LISTINGS TO:</u>

PROGRAMS
BASIC COMPUTER NEWSLETTER
3705 BISCAYNE BOULEVARD
MIAMI, FLORIDA 33137

**** USE THIS MAILING LABEL ****

--------------CUT--------------

*******************************

PROGRAMS
BASIC COMPUTER NEWSLETTER
3705 BISCAYNE BOULEVARD
MIAMI, FLORIDA 33137

*******************************

HAVE YOU EVER HAD SOMEONE DO WORK FOR EITHER YOU PERSONALLY OR FOR YOUR BUSINESS? WELL THEN IT IS TIME THAT YOU PROTECT YOURSELF, AS TO MAKE CERTAIN THAT THEY, NOT YOU ARE RESPONSIBLE TO THE I.R.S. FOR TAXES...

USE THE FOLLOWING PROGRAM WHICH PRINTS OUT A RECEIPT FORM.

**********

```
   1 REM COPYWRITE "BASIC" 1983
   2 REM INDEPENDENT CONRTACTOR
   3 SLOW
  10 PRINT "INDEPENDENT CONTRACT
OR AGREEMENT"
  12 PRINT " ▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀
▀▀▀▀▀▀▀▀▀▀▀ "
  16 PRINT "CONTRACTOR"
  17 PRINT "NAME.......: ";
  18 INPUT N$
  19 PRINT N$
  20 PRINT "SOC SEC NO.: ";
  21 INPUT S$
  22 PRINT S$
  23 PRINT "WORK TO DO.: ";
  24 INPUT W$
  25 PRINT W$
  30 PRINT "DATE.......: ";
  35 INPUT D$
  40 PRINT D$
  45 PRINT
  47 PRINT "A) FLAT RATE FEE OR
B)PAY RATE"
  48 PRINT "ENTER A OR B"
  49 INPUT X$
  51 IF X$<>"A" AND X$<>"B" THEN
 GOTO 49
  52 IF X$="A" THEN GOTO 600
  53 PRINT AT 8,0;"PAY RATE...:
$";"
 "
  54 INPUT R
  55 PRINT AT 8,14;R
  60 PRINT "HRS WORKED.: ";
  65 INPUT H
  70 PRINT H
  75 PRINT
  80 LET GP=R*H
  90 PRINT "GROSS PAY =  $";GP
  95 PRINT "==================="
 500 PRINT "CONTRACTOR UNDERSTAN
DS THAT HE  IS FULLY RESPONSIBLE
 FOR HIS OWNLIABILITY AND TAXES
AND THE LIA-BILITY AND TAXES OF
THOSE HE MAYEMPLOY."
 510 PRINT
 530 PRINT "AGREED: ------------
-------"
 535 PRINT
 545 PRINT AT 20,0;"ENTER: 1 = C
OPY  9 = START AGAIN"
 550 IF INKEY$="" THEN GOTO 550
 560 IF INKEY$="1" THEN GOTO 591
 570 IF INKEY$="9" THEN GOTO 595
 590 STOP
 591 PRINT AT 20,0;"
 "
 593 COPY
 594 GOTO 545
 595 CLS
 596 RUN
 600 PRINT AT 8,0;"AGREED FEE.:
$";"
 "
 610 INPUT F$
 620 PRINT AT 8,14;F$
 625 PRINT "======================
==="
 630 GOTO 500
```

THE FOLLOWING ARE SAMPLE
<u>PRINT-OUTS OF THIS PROGRAM</u>

* NOTE: EXAMPLE NO.1 SHOWS THE OPTION GIVEN, THAT IS ERASED AFTER CHOICE IS ENTERED.

**********

```
INDEPENDENT CONTRACTOR AGREEMENT
 ▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀
CONTRACTOR
NAME.......: BOB JONES
SOC SEC NO.: 123-45-6789
WORK TO DO.: PAINT ROOF
DATE.......: 12/1/83

* A) FLAT RATE FEE OR B)PAY RATE
ENTER A OR B
```

```
INDEPENDENT CONTRACTOR AGREEMENT
 ▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀
CONTRACTOR
NAME.......: BOB JONES
SOC SEC NO.: 123-45-6789
WORK TO DO.: PAINT ROOF
DATE.......: 12/1/83

AGREED FEE.: $100
______________________

CONTRACTOR UNDERSTANDS THAT HE
IS FULLY RESPONSIBLE FOR HIS OWN
LIABILITY AND TAXES AND THE LIA-
BILITY AND TAXES OF THOSE HE MAY
EMPLOY.

AGREED: -------------------
```

```
INDEPENDENT CONTRACTOR AGREEMENT
 ▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀
CONTRACTOR
NAME.......: BOB JONES
SOC SEC NO.: 123-45-6789
WORK TO DO.: PAINT ROOF
DATE.......: 12/1/83

PAY RATE...: $6.5
HRS WORKED.: 12

GROSS PAY =  $78
______________________

CONTRACTOR UNDERSTANDS THAT HE
IS FULLY RESPONSIBLE FOR HIS OWN
LIABILITY AND TAXES AND THE LIA-
BILITY AND TAXES OF THOSE HE MAY
EMPLOY.

AGREED: -------------------
```

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IF YOU OWN A SMALL BUSINESS OR SUB-S CORP. AND WISH TO SAVE SOME ACCOUNTING FEES, YOU WILL FIND THE FOLLOWING PROGRAM VERY HELPFUL. ALTHOUGH STRUCTURED FOR FLORIDA STATE IT CAN EASILY BE MODIFIED FOR YOUR OWN PARTICULAR NEEDS.

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```
        STATE OF FLORIDA
     SALES TAX WORK SHEET
     --------------------
ENTER:

     PERIOD ENDING: 12/20/83

1      GROSS SALES        $3600
1(A)   EXEMPT SALES       $0
2      TAXABLE SALES    = $3428.57
3      TAX COLLECTED    = $171.43
4   TOTAL TAX COLL.     = $171.43
5   REFUNDS/DEDS        = $0
6   TOTAL TAX DUE       = $171.43
7   COLL. ALLOW.        = $5.14
8   PENALTY (MIN.$5)      $0
9   INTEREST              $0
10  CREDIT NOTICE         $0

11   AMOUNT DUE
     WITH RETURN        = $166.29
```

| 1 GROSS | 2 TAXABLE | 3 TAX COLL. |
|---|---|---|
| $3600 | $3428.57 | $171.43 |

| | |
|---|---|
| 4 TOTAL TAX COLL. | $171.43 |
| 5 REFUNDS/DEDS. | $0 |
| 6 TOTAL TAX DUE | $171.43 |
| 7 COLL. ALLOW. | $5.14 |
| 8 PENALTY (MIN.$5) | $0 |
| 9 INTEREST | $0 |
| 10 CREDIT NOTICE | $0 |
| 11 AMT. DUE | $166.29 |

```
   1 REM COPYWRITE "BASIC" 1983
   2 SLOW
   3 PRINT AT 21,0;"         STATE
 OF FLORIDA"
   4 SCROLL
  10 PRINT "     SALES TAX WORK
SHEET"
  12 SCROLL
  15 PRINT "     ---------------
-----"
  20 PAUSE 50
  30 SCROLL
  40 PRINT "ENTER:"
  42 SCROLL
  43 PRINT
  44 SCROLL
  45 PRINT AT 21,5;"PERIOD ENDIN
G:";" ";
  47 INPUT M$
  48 PRINT M$
  49 SCROLL
  50 PRINT
  55 SCROLL
  60 PRINT "1     GROSS SALES
 $";
  70 INPUT G
  80 PRINT G
  90 SCROLL
 100 PRINT "1(A) EXEMPT SALES
 $";
 110 INPUT E
 120 PRINT E
 130 SCROLL
 140 PRINT "2     TAXABLE SALES =
 $";
 142 REM
 143 REM ***********************
 144 REM
 145 REM *** CHANGE LINE 150 ***
 146 REM * LET T=G/YOUR TAX RATE
 147 REM
 148 REM ***********************
 149 REM
 150 LET T=G/1.05
 155 LET T=(INT (T*100))/100
 160 PRINT T
 170 SCROLL
 180 PRINT "3     TAX COLLECTED =
 $";
 190 LET C=G-T
 200 PRINT C
 210 SCROLL
 220 PRINT "4  TOTAL TAX COLL. =
 $";
 230 PRINT C
 240 SCROLL
 250 PRINT "5  REFUNDS/DEDS      =
 $";
 260 INPUT R
 270 PRINT R
 280 SCROLL
 290 PRINT "6  TOTAL TAX DUE     =
 $";
 300 LET D=C-R
 310 PRINT D
 320 SCROLL
 330 PRINT "7  COLL. ALLOW.      =
 $";
 332 REM
 333 REM ***********************
 334 REM
 335 REM *** CHANGE LINE 250 ***
 336 REM COLL. ALLOW. MAY VARY
 337 REM
 338 REM ***********************
 339 REM
 340 LET A=D*.03
 345 LET A=(INT (A*100))/100
 350 PRINT A
 360 SCROLL
 370 PRINT "8  PENALTY (MIN.$5)
 $";
 380 INPUT P
 390 PRINT P
 400 SCROLL
```

```
410 PRINT "9  INTEREST
$";
420 INPUT I
430 PRINT I
440 SCROLL
450 PRINT "10 CREDIT NOTICE
$";
460 INPUT N
470 PRINT N
480 SCROLL
490 PRINT
500 SCROLL
510 PRINT "11  AMOUNT DUE"
520 SCROLL
530 PRINT "      WITH RETURN     =
$";
540 LET W=D-A+P+I-N
550 PRINT W
553 SCROLL
554 PRINT
555 PAUSE 300
560 COPY
570 FAST
600 CLS
605 SLOW
610 PRINT "▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒
▒▒▒▒▒▒▒▒▒▒▒▒▒▒"
620 PRINT "1 GROSS  ▌2 TAXABLE
▌3 TAX COLL."
630 PRINT "--------------------
------------"
640 PRINT "          ▌
▌"
670 PRINT "▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀▀
▀▀▀▀▀▀▀▀▀▀▀▀"
680 PRINT "
▌";"$";C
700 PRINT "--------------------
------------"
710 PRINT "
▌";"$";R
720 PRINT "--------------------
------------"
730 PRINT "
▌";"$";D
740 PRINT "--------------------
------------"
750 PRINT "
▌";"$";A
760 PRINT "--------------------
------------"
770 PRINT "
▌";"$";P
780 PRINT "--------------------
------------"
790 PRINT "
▌";"$";I
800 PRINT "--------------------
------------"
810 PRINT "
▌";"$";N
820 PRINT "--------------------
------------"
830 PRINT "
▌";"$";W
840 PRINT "--------------------
------------"
875 PRINT AT 3,0;"$";G
885 PRINT AT 3,10;"$";T
895 PRINT AT 3,21;"$";C
900 PRINT AT 5,0;"4 TOTAL TAX C
OLL."
910 PRINT AT 7,0;"5 REFUNDS/DED
S."
920 PRINT AT 9,0;"6 TOTAL TAX D
UE"
930 PRINT AT 11,0;"7 COLL. ALLO
W."
940 PRINT AT 13,0;"8 PENALTY (M
IN.$5)"
950 PRINT AT 15,0;"9 INTEREST"
960 PRINT AT 17,0;"10 CREDIT NO
TICE"
970 PRINT AT 19,0;"11 AMT. DUE"
980 PAUSE 200
1020 COPY
1030 STOP
```

** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **

THE FOLLOWING PROGRAM IS WELL WORTH THE EFFORT. IF YOU DO NOT TIRE EASILY, "GO FOR IT".

I TRIED NO.2 ON THE MENU. THE PRINTOUT BELOW TELLS THE STORY...

** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **
** FIVE * STARS **

```
LOAN CALCULATIONS

LOAN REPAYMENT SCHEDULE
ENTER  1

FIND AMOUNT OF MONTHLY PAYMENTS
ENTER  2

SAVINGS CALCULATIONS

COMPOUND INTEREST ON ONE DEPOSIT
ENTER  3

COMPOUND INTEREST ON REGULAR
DEPOSITS
ENTER  4

HOW MUCH DO YOU WANT TO BORROW?
$10000 LOAN PRINCIPAL

ENTER THE NUMBER OF YEARS THAT
THE MONEY WILL BE BORROWED
4 YEARS

ENTER ANNUAL INTEREST RATE
11 PERCENT


        MONTHLY PAYMENTS

$258.46 PER MONTH
        FOR 48 MONTHS

$2406.08 TOTAL INTEREST PAID
```



** FIVE * STARS **

THANK YOU MONTY MENDENHALL

**********

```
   9 PRINT AT 6,0
  10 FAST
  11 PRINT "LOANS AND COMPOUND INTEREST "
  12 PRINT
  13 PRINT "WRITTEN BY"
  14 PRINT "MONTY MENDENHALL"
  15 PRINT "100 WILDWOOD"
  16 PRINT "THOMASVILLE, N.C. 27360"
  17 PRINT
  18 PRINT ""
  19 PAUSE 300
  20 CLS
  21 PRINT
  23 PRINT " LOAN CALCULATIONS "
  25 PRINT
  27 PRINT "LOAN REPAYMENT SCHEDULE"
  28 PRINT "ENTER  1"
  30 PRINT
  33 PRINT "FIND AMOUNT OF MONTHLY PAYMENTS"
  34 PRINT "ENTER  2"
  35 PRINT
  36 PRINT
  37 PRINT
  38 PRINT " SAVINGS CALCULATIONS "
  39 PRINT
  40 PRINT "COMPOUND INTEREST ON ONE DEPOSIT"
  41 PRINT "ENTER  3"
  43 PRINT
  45 PRINT "COMPOUND INTEREST ON REGULAR    DEPOSITS"
  46 PRINT "ENTER  4"
 193 INPUT Z
 196 IF Z=1 THEN GOTO 209
 199 IF Z=2 THEN GOTO 1150
 202 IF Z=3 THEN GOTO 790
 205 IF Z=4 THEN GOTO 1332
 209 CLS
 210 SLOW
 213 SCROLL
 214 PRINT "THIS PROGRAM WILL CALCULATE THE"
 216 SCROLL
 217 PRINT "NUMBER OF PAYMENTS REQUIRED TO"
 218 SCROLL
 219 PRINT "PAY OFF A LOAN AND THE TOTAL"
 220 SCROLL
 221 PRINT "INTEREST"
 222 SCROLL
 223 PRINT
 224 SCROLL
 225 PRINT "ENTER AMOUNT BORROWED"
 226 SCROLL
 227 INPUT P
 228 LET V=P
 229 PRINT "$";P
 230 SCROLL
 231 PRINT
 232 SCROLL
 233 PRINT "ENTER MONTHLY PAYMENT"
 234 SCROLL
 235 INPUT C
 236 PRINT "$";C
 237 SCROLL
 238 PRINT
 239 SCROLL
 240 PRINT "ENTER ANNUAL INTEREST RATE"
 241 INPUT I
 242 SCROLL
```

```
244 PRINT I;" PERCENT PER YEAR"
245 SCROLL
246 PRINT
247 SCROLL
250 LET I=(I/12)*.01
253 PRINT
254 SCROLL
256 LET Y=1
259 LET N=2
260 PRINT
261 SCROLL
262 PRINT
263 SCROLL
264 PRINT "DO YOU WISH TO SEE E
ACH PAYMENT"
265 SCROLL
266 PRINT "LISTED SEPERATELY ?"
267 SCROLL
268 PRINT "ENTER Y FOR YES OR N
FOR NO"
271 INPUT U
272 FAST
274 IF U=1 THEN GOTO 310
277 IF U=2 THEN GOTO 283
280 STOP
283 CLS
286 LET T=0
289 LET N=0
292 LET T=(P*I)+T
295 LET P=((P*I)-C)+P
298 LET N=N+1
301 IF P<C THEN GOTO 500
304 GOTO 292
307 STOP
310 CLS
311 SLOW
320 LET N=0
330 LET T=0
340 LET N=N+1
350 PRINT AT 2,0;"PAYMENT NUMBE
R ";N
354 PRINT AT 5,0;"[redacted]"
355 PRINT
356 GOSUB 7000
360 PRINT "$";L;" PRINCIPAL"
365 PRINT
366 GOSUB 7100
370 PRINT "$";K;" INTEREST"
380 PRINT
390 PRINT "$";K-C;" PAID ON PRI
NCIPAL"
400 PRINT
410 PRINT "$";(K-C)+L;" NEW BAL
ANCE"
425 PRINT
426 GOSUB 7300
430 PRINT "TOTAL INTEREST PAID
TO DATE "
431 PRINT "$";E
435 LET T=(P*I)+T
436 LET P=(P*I-C)+P
437 PRINT
438 PRINT "[redacted]"
449 PRINT AT 20,0;"PRESS  CONT/
ENTER"
450 PRINT AT 21,0;"TO VIEW NEXT
PAYMENT"
460 STOP
470 IF P<C THEN GOTO 500
480 GOTO 340
490 STOP
510 PRINT
515 LET N=N+1
520 PRINT "IT WILL REQUIRE"
521 LET M=((N/12)-INT (N/12))*1
2
522 LET Y=INT (N/12)
528 PRINT Y;" YEARS AND ";M;" M
ONTHS"
529 PRINT "TO PAY BACK THE LOAN
."
560 PRINT AT 5,0;"[redacted]"
561 PRINT
563 PRINT "PAYMENT NUMBER ";N
564 GOSUB 7000
565 PRINT
566 PRINT "$";L;" PRINCIPAL"
567 PRINT
568 GOSUB 7100
569 PRINT "$";K;" INTEREST"
570 PRINT
580 PRINT "$";L+K;" FINAL PAYME
NT"
590 PRINT
591 GOSUB 7200
600 PRINT "$";O;" TOTAL INTERES
T PAID"
601 PRINT
602 PRINT "$";V+(O+K);" TOTAL R
EPAID WHEN          BORROWING $";V
610 PRINT
620 PRINT "[redacted]"
630 STOP
790 CLS
795 SLOW
800 SCROLL
801 PRINT "THIS PROGRAM CALCULA
TES"
802 SCROLL
803 PRINT "COMPOUND INTEREST"
805 SCROLL
810 PRINT
815 SCROLL
820 PRINT "ENTER THE AMOUNT OF
THE DEPOSIT"
825 SCROLL
830 INPUT P
840 PRINT "$";P
845 SCROLL
850 PRINT
855 SCROLL
860 PRINT "ENTER ANNUAL INTERES
T RATE"
865 SCROLL
870 INPUT I
880 PRINT I;" PERCENT PER YEAR"
885 SCROLL
890 LET I=I*.01
900 PRINT
905 SCROLL
910 PRINT "HOW MANY COMPOUNDING
PERIODS"
911 SCROLL
912 PRINT "PER YEAR ?"
915 SCROLL
920 INPUT N
930 PRINT N;" TIMES YEARLY"
935 SCROLL
940 PRINT
945 SCROLL
950 PRINT "HOW MANY YEARS WILL
THE"
951 SCROLL
952 PRINT "PRINCIPAL BE DEPOSIT
ED ?"
955 SCROLL
960 INPUT Q
970 PRINT Q;" YEARS"
975 SCROLL
976 PAUSE 150
980 LET Q=N*Q
990 PRINT
995 FAST
1000 LET I=I/N
1010 LET T=P*(1+I)**Q-P
1026 GOSUB 7500
1027 GOSUB 7600
1028 CLS
1029 SLOW
1030 PRINT AT 8,0;"[redacted]"
1031 PRINT
1032 PRINT "$";H;" SAVINGS BALAN
CE AFTER"
1033 PRINT Q/N;" YEARS"
1034 PRINT
1035 PRINT "$";T;" INTEREST"
1036 PRINT "FOR ";Q/N;" YEARS"
1037 PRINT "AT ";N*I*100;" PERCE
NT INTEREST"
```

```
1038 PRINT
1039 PRINT "▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒"
1040 STOP
1150 CLS
1160 SLOW
1170 SCROLL
1200 PRINT "HOW MUCH DO YOU WANT
 TO BORROW?"
1205 INPUT P
1206 SCROLL
1207 PRINT "$";P;" LOAN PRINCIPA
L"
1208 SCROLL
1209 PRINT
1210 SCROLL
1211 PRINT "ENTER THE NUMBER OF
YEARS THAT"
1212 SCROLL
1213 PRINT "THE MONEY WILL BE BO
RROWED"
1220 INPUT N
1221 SCROLL
1230 PRINT N;" YEARS"
1231 SCROLL
1235 LET N=N*12
1240 PRINT
1241 SCROLL
1250 PRINT "ENTER ANNUAL INTERES
T RATE"
1251 SCROLL
1260 INPUT I
1270 PRINT I;" PERCENT"
1271 SCROLL
1272 PAUSE 150
1273 FAST
1274 CLS
1275 SLOW
1276 LET I=(I/12)*.01
1284 PRINT AT 7,0;"▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒"
1285 PRINT
1286 PRINT TAB 7;"MONTHLY PAYMEN
TS"
1287 PRINT
1289 GOSUB 7400
1290 PRINT "$";F;" PER MONTH
                    FOR ";N;" MON
THS"
1300 PRINT
1320 PRINT "$";(F*N)-P;" TOTAL I
NTEREST PAID"
1322 PRINT
1324 PRINT "▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒"
1330 STOP
1332 CLS
1334 SLOW
1335 PRINT "THIS PROGRAM WILL CA
LCULATE      COMPOUND INTEREST ON
 A SAVINGS   PLAN WITH REGULAR DE
POSITS."
1336 PRINT
1337 PRINT "HOW LONG ,IN YEARS,
IS YOUR      SAVINGS PLAN?"
1338 INPUT Y
1339 PRINT Y;" YEARS"
1340 PRINT
1343 PRINT "HOW MANY DEPOSITS WI
LL YOU MAKE PER YEAR?"
1344 INPUT N
1345 CLS
1346 PRINT N;" DEPOSITS PER YEAR
"
1347 PRINT
1348 PRINT "HOW MUCH WILL EACH D
EPOSIT BE?"
1349 INPUT M
1350 CLS
1351 IF N=1 THEN PRINT "$";M;" D
EPOSITED ANNUALLY"
1352 IF N=2 THEN PRINT "$";M;" D
EPOSITED SEMI-ANNUALLY"
1353 IF N=4 THEN PRINT "$";M;" D
EPOSITED QUARTERLY"
1354 IF N=6 THEN PRINT "$";M;" D
EPOSITED BI-MONTHLY"
1355 IF N=12 THEN PRINT "$";M;"
DEPOSITED MONTHLY"
1356 IF N=24 THEN PRINT "$";M;"
DEPOSITED TWICE MONTHLY"
1357 IF N=26 THEN PRINT "$";M;"
DEPOSITED BI-WEEKLY"
1358 IF N=52 THEN PRINT "$";M;"
DEPOSITED WEEKLY"
1359 PRINT
1360 PRINT "WHAT IS THE ANNUAL I
NTEREST RATE"
1361 INPUT I
1362 CLS
1363 PRINT I;" PERCENT PER YEAR
INTEREST"
1364 PRINT
1366 PRINT "HOW MANY TIMES PER Y
EAR WILL THEINTEREST BE COMPOUND
ED?"
1367 INPUT CP
1368 CLS
1369 PRINT "COMPOUNDED ";CP;" TI
MES PER YEAR"
1370 PAUSE 150
1371 FAST
1372 CLS
1379 LET I=(I/CP)*.01
1380 LET Z=CP/N
1381 LET X=0
1382 LET L=Y*N
1383 LET TTS=0
1385 LET TTS=(TTS+M)
1386 LET TTS=TTS*(1+I)**Z
1387 LET X=X+1
1388 IF X<L THEN GOTO 1384
1389 LET T=TTS
1390 GOSUB 7600
1391 GOSUB 7700
1392 PRINT AT 7,0;"▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒"
1393 PRINT
1394 IF X>=L THEN PRINT "$";T;"
SAVINGS BALANCE AFTER"
1395 PRINT Y;" YEARS"
1396 PRINT
1397 PRINT "$";Y*N*M;" TOTAL DEP
OSITS"
1398 PRINT
1399 PRINT "$";ST;" TOTAL INTERE
ST FOR "
1400 PRINT Y;" YEARS"
1410 PRINT
1420 PRINT "▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒▒"
1430 STOP
7000 LET L=P
7010 LET L=(L+.005)*100
7020 LET L=INT L/100
7030 RETURN
7100 LET K=P*I
7110 LET K=(K+.005)*100
7120 LET K=INT K/100
7130 RETURN
7200 LET O=T
7210 LET O=(O+.005)*100
7220 LET O=INT O/100
7230 RETURN
7300 LET E=(P*I)+T
7310 LET E=(E+.005)*100
7320 LET E=INT E/100
7330 RETURN
7400 LET F=P/((1-(1+I)**-N)/I)
7410 LET F=(F+.005)*100
7420 LET F=INT F/100
7430 RETURN
7500 LET H=T+P
7510 LET H=(H+.005)*100
7520 LET H=INT H/100
7530 RETURN
7600 LET T=(T+.005)*100
7610 LET T=INT T/100
7620 RETURN
7700 LET ST=TTS-(Y*N*M)
7710 LET ST=(ST+.005)*100
7720 LET ST=INT ST/100
7730 RETURN
9999 PRINT "LENGTH OF PROGRAM ";
PEEK 16396+256*PEEK 16397-16583
```

GET A "RUN FOR YOUR MONEY"... BY USING THIS:

## CALCULATING INVESTMENT PROGRAM.

DEAR USER,

IF YOU WILL BE KIND ENOUGH TO SUPPLY ME WITH THE FOLLOWING INFORMATION , I WILL BE MORE THAN HAPPY TO HELP YOU.

```
AMOUNT INVESTED?      $500
NUMBER OF YEARS?      4 YEARS
INTEREST RATE?        11 PERCENT

ENTER THE NUMBER OF TIMES THAT
INTEREST IS CALCULATED PR. YR.
                      4 PER YEAR

YEAR 1 $557.29
YEAR 2 $621.14
YEAR 3 $692.32
YEAR 4 $771.66
```

```
   3 REM COPYWRITE "BASIC" 1983
   5 CLS
   9 SLOW
  10 PRINT AT 10,1; "CALCULATING
 INVESTMENT RETURN"
  20 PAUSE 200
  30 CLS
  40 PRINT "DEAR USER,"
  45 PRINT
  46 PRINT
  50 PRINT "IF YOU WILL BE KIND
ENOUGH TO    SUPPLY ME WITH THE F
OLLOWING     INFORMATION , I WILL
 BE MORE     THAN HAPPY TO HELP Y
OU."
  55 PRINT
  60 PRINT
 100 PRINT "AMOUNT INVESTED? ";
 110 INPUT A
 120 PRINT AT 9,20;"$";A
 130 PRINT "NUMBER OF YEARS? ";
 140 INPUT B
 144 REM
 150 PRINT AT 10,20;B;" YEARS"
 160 PRINT "INTEREST RATE? ";
 170 INPUT I
 180 PRINT AT 11,20;I;" PERCENT"
 185 PRINT
 190 PRINT "ENTER THE NUMBER OF
TIMES THAT  INTEREST IS CALCULAT
ED PR. YR."
 200 INPUT C
 205 PRINT AT 15,20;C;" PER YEAR
"
 207 PAUSE 100
 210 CLS
 215 FAST
 220 FOR X=1 TO B
 230 FOR Z=1 TO C
 240 LET A=A+A*I/C/100
 242 REM
 243 REM AFTER RUNNING PROGRAM
         REMOVE REM IN LINE 245
 244 REM
 245 REM LET A=(INT (A*100))/100
 250 NEXT Z
 260 PRINT "YEAR ";X;" $";A
 270 NEXT X
 275 PRINT
 280 SLOW
 285 PRINT AT 20,0;"WOULD YOU LI
KE ANOTHER                 CALCULATION
Y/N ?"
 290 INPUT C$
 300 IF CODE C$<>CODE "Y" THEN G
OTO 290
 310 IF CODE C$=CODE "Y" THEN RU
N
```

TRY ADDING THE FOLLOWING EQUATION TO THE CALCULATING INVESTMENT PROGRAM AND SEE WHAT IT DOES. IF YOU LIKE THE RESULTS THEN USE IT WITH ALL PROGRAMS THAT YOU WISH TO CARRY, ONLY TWO DECIMAL PLACES.

```
245 LET A=(INT (X*100))/100
```

TYPSET
TYPSET
TYPSET
TYPSET
TYPSET
TYPSET

THIS WONDERFUL LITTLE PROGRAM ONLY SAVES ONE SCREEN AT A TIME, BUT IN MOST CASES THAT IS ALL THAT IS NECESSARY.

WHEN YOU RUN THE PROGRAM IT WILL ASK YOU TO ENTER TEXT: STAY WITHIN THE PARENTHESIS AND USE IT JUST AS YOU WOULD AN ORDINARY TYPEWRITER.

THEN WHEN YOU HAVE COMPLETED TEXT LAYOUT, PRESS "ENTER KEY".

IT WILL NEATLY ARRANGE YOUR ENTRY SO THAT YOU MAY LPRINT THE SCREEN, SAVE THE ENTIRE ENTRY ON TAPE, LOAD ANOTHER ENTRY OR PROGRAM AND THEN START AGAIN.

THUS, YOU ARE ABLE TO CHAIN AN ENTIRE MANUSCRIPT TOGETHER ON ONE TAPE.

LOADING TIME IS SO SHORT THAT IT IS OF NO CONSEQUENCE TO SAVE ONE PARAGRAPH AT A TIME.

I WOULD LIKE SOME COMMENTS ON WHAT YOU THINK OF THIS ONE...

R.W.D.

```
   1 REM COPYWRITE "BASIC" 1983
   2 SLOW
   5 REM TYPESET PRINTOUT
  10 PRINT "TYPSET...ENTER TEXT:
"
  15 FAST
  20 INPUT A$
  25 CLS
  30 PRINT A$
  40 PRINT AT 20,0;"ENTER: 1 TO
LPRINT, 2 TO SAVE      3 TO LOAD,
 9 TO START AGAIN."
  45 SLOW
  50 IF INKEY$="" THEN GOTO 50
  60 IF INKEY$="1" THEN GOTO 100
  70 IF INKEY$="2" THEN GOTO 200
  80 IF INKEY$="3" THEN LOAD ""
  90 IF INKEY$="9" THEN GOTO 300
  95 GOTO 50
 100 LPRINT A$
 110 GOTO 25
 200 FAST
 210 CLS
 220 PRINT AT 20,0;"SET RECORD,
THEN PRESS NEWLINE"
 230 PAUSE 4E4
 240 SAVE "TYPSE█"
 250 GOTO 25
 300 CLS
 310 RUN
```

# BULLETIN BOARD

## ** TS * USER **
## ** TS * USER **
## ** TS * USER **
## ** TS * USER **
## ** TS * USER **

I WOULD LIKE NOW, TO CONVEY A WORD OF APPRECIATION, TO A FELLOW PUBLISHER.

THANK YOU DEREK, FOR SENDING ME A SUBSCIPTION TO TS USER.

TS USER IS A VERY INFORMATIVE PUBLICATION WORTH READING FROM COVER TO COVER, TWICE OVER. THE INERESTING MANNER IN WHICH IT IS WRITTEN MAKES THIS EASY TO DO.

FOR THOSE OF YOU WHO MAY NOT ALREADY RECEIVE TS USER, CONSIDER IT, AS YOUR NEXT PURCHASE.

** FIVE * STARS **

GOES TO TS USER

RONALD W. DESIND

## ** ADAPTER * KIT **
## ** ADAPTER * KIT **
## ** ADAPTER * KIT **
## ** ADAPTER * KIT **
## ** ADAPTER * KIT **

A VERY FRUSTRATING SITUATION THAT I HAVE ENCOUNTERED IS THE UNAVAILABILITY OF 2040 PAPER.

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THUS, YOU CAN SUCCESSFULLY USE THE RAEDY AVAILABLE ... RADIO SHACK, TP-10 THERMAL PAPER CAT. NO. 26-1332.

NOTE: YOU WILL FIND AN ORDER FORM ON PAGE 9. A LIMITED SUPPLY ARE AVAILABLE, SO ORDER SOON.

R.W.D.




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